



Thesis Defense

Computer Science Master's Program

“Pain Points: Cluster Analysis in Chronic Pain Networks”

By Iris Ho

Abstract:

Chronic pain treatment varies with each person's experience. Leveraging node embedding algorithms and k-means clustering, we explore the potential of graph-based clustering methods to group patients based on pain characteristics, pain, and beliefs. We aim to suggest potential patient subgroups, offering valuable insights into tailored treatment strategies. Our findings highlight the promise of graph-based approaches in informing tailored pain management practices.

Date: Monday, May 13th, 2024

Time: 2:00 PM – 3:00 PM

Location: 14-232b

Committee: Dr. Migler, Dr. Anderson, Dr. Davidson

